

## ABSTRACT

To generate a high data transfer rate from a magnetic write head, a faster flux rise time is needed. This often brings about severe excess saturation of the head and, as a result, adjacent track erasures often occur. This problem has been overcome by indenting P1 away from the ABS so that there is a narrowing of P1 near, but not all the way to, the write gap. This causes the excess flux associated with high write currents to be diverted into P2 instead the P1 shoulder.